



World Resources Company

8113 West Sherman Street Tel: 602.233.9166
Tolleson, AZ 85353-4025 Fax: 623.936.9164

August 3, 2001

Mr. Gerald Thompson
Environmental Assistant
Alaskan Copper Works
P. O. Box 3546
Seattle, WA 98124

Dear Mr. Thompson:

Enclosed is the appropriate copy of your company's Hazardous Waste Manifest resulting from the transfer of recyclable materials to World Resources Company.

Please note that in accordance with 40 CFR §262.40, this copy of the manifest must be retained as a record for at least three (3) years from the date the waste was accepted by the initial transporter.

If you have any questions, please feel free to give us a call.

Sincerely,
World Resources Company

Manifest Coordinator

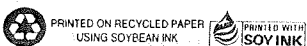
Enclosures

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address Alaskan Copper Works P.O. Box 3546, Seattle, WA 98124				A. State Manifest Document Number		
4. Generator's Phone (206) 382-8379				B. State Generator's ID		
5. Transporter 1 Company Name All Waste Transportation and Remediation Inc		6. US EPA ID Number CA D063547996		C. State Transporter's ID		
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 800-321-1030		
9. Designated Facility Name and Site Address World Resources Company 8113 West Sherman Street Tolleson, Arizona 85353-4025		10. US EPA ID Number A Z D 9 8 0 7 3 5 5 0 0		E. State Transporter's ID		
				F. Transporter's Phone		
				G. State Facility's ID		
				H. Facility's Phone 800-972-1955		
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)				12. Containers	13. Total Quantity	14. Unit Wt/Vol
				No.	Type	Waste No.
a.	RM, Hazardous waste, solid, n.o.s., (P006), 9, NA3077, III				C F	P E006
b.	RM, Hazardous waste, solid, n.o.s., (D007), 9, NA3077, III			031	D M	P D007
c.						
d.						
J. Additional Descriptions for Materials Listed Above				K. Handling Codes for Wastes Listed Above		
15. Special Handling Instructions and Additional Information 24 Hour Emergency Response: 1-800-424-9300 CHEMTREC (Emergency call pager #206-648-8423) (Use CHEMTREC company code "WORR") Wear gloves & goggles P.O.# M66555						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name GERALD A. Thompson				Signature <i>[Signature]</i>		Month Day Year 07/30/01
17. Transporter 1 Acknowledgement of Receipt of Materials						
Printed/Typed Name Ruben Masanen				Signature <i>[Signature]</i>		Month Day Year 07/30/01
18. Transporter 2 Acknowledgement of Receipt of Materials						
Printed/Typed Name				Signature		Month Day Year
19. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						
Printed/Typed Name SAMUEL BELLAMY				Signature <i>[Signature]</i>		Month Day Year 08/02/01

Style CF 17 LABELMASTER® (800) 621-5808 www.labelmaster.com

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

ORIGINAL-RETURN TO GENERATOR



AKC-0017271

WORLD RESOURCES

11:38AM 08/02/2001

GROSS 900 lb

TARE 52 lb

NET 848 lb

WORLD RESOURCES

11:40AM 08/02/2001

GROSS 950 lb

TARE 52 lb

NET 898 lb

WORLD RESOURCES

11:42AM 08/02/2001

GROSS 1006 lb

TARE 52 lb

NET 954 lb

WORLD RESOURCES

11:43AM 08/02/2001

GROSS 816 lb

TARE 52 lb

NET 764 lb

WORLD RESOURCES

11:44AM 08/02/2001

GROSS 515 lb

TARE 52 lb

NET 463 lb

WORLD RESOURCES

11:46AM 08/02/2001

GROSS 461 lb

TARE 52 lb

NET 409 lb

WORLD RESOURCES

11:47AM 08/02/2001

GROSS 821 lb

TARE 52 lb

NET 769 lb

WORLD RESOURCES

11:50AM 08/02/2001

GROSS 405 lb

TARE 52 lb

NET 353 lb

WORLD RESOURCES

11:51AM 08/02/2001

GROSS 271 lb

TARE 52 lb

NET 219 lb

WORLD RESOURCES

11:52AM 08/02/2001

GROSS 347 lb

TARE 52 lb

NET 295 lb

WORLD RESOURCES

11:53AM 08/02/2001

GROSS 258 lb

TARE 52 lb

NET 206 lb

WORLD RESOURCES
11:55AM 08/02/2001
GROSS 295 lb
TARE 52 lb
NET 243 lb
WORLD RESOURCES
11:56AM 08/02/2001
GROSS 753 lb
TARE 52 lb
NET 701 lb
WORLD RESOURCES
11:58AM 08/02/2001
GROSS 772 lb
TARE 52 lb
NET 720 lb
WORLD RESOURCES
11:59AM 08/02/2001
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TARE 52 lb
NET 746 lb
WORLD RESOURCES
12:00PM 08/02/2001
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TARE 52 lb
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TARE 52 lb
NET 753 lb
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12:05PM 08/02/2001
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TARE 52 lb
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WORLD RESOURCES
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GROSS 762 lb
TARE 52 lb
NET 717 lb
WORLD RESOURCES
12:08PM 08/02/2001
GROSS 712 lb
TARE 52 lb
NET 660 lb
WORLD RESOURCES
12:09PM 08/02/2001
GROSS 827 lb
TARE 52 lb

NET 775 lb
WORLD RESOURCES
12:11PM 08/02/2001
GROSS 827 lb
TARE 52 lb
NET 775 lb
WORLD RESOURCES
12:12PM 08/02/2001
GROSS 820 lb
TARE 52 lb
NET 768 lb
WORLD RESOURCES
12:14PM 08/02/2001
GROSS 824 lb
TARE 52 lb
NET 774 lb
WORLD RESOURCES
12:15PM 08/02/2001
GROSS 821 lb
TARE 52 lb
NET 769 lb
WORLD RESOURCES
12:17PM 08/02/2001
GROSS 748 lb
TARE 52 lb
NET 696 lb
WORLD RESOURCES
12:18PM 08/02/2001
GROSS 346 lb
TARE 52 lb
NET 294 lb
WORLD RESOURCES
12:19PM 08/02/2001
GROSS 863 lb
TARE 52 lb
NET 811 lb
WORLD RESOURCES
12:20PM 08/02/2001
GROSS 868 lb
TARE 52 lb
NET 816 lb
ACCUM 20324 lb
08/02/2001 12:21PM

10.16
Tons

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. WA D 9 8 0 7 3 8 5 4 6 0 1 2 4 4		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
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4. Generator's Phone (206) 382-8379		7. Transporter 1 Company Name Al Waste Transportation Inc		8. US EPA ID Number		C. State Transporter's ID		D. Transporter's Phone 206-381-1020	
9. Designated Facility Name and Site Address World Resources Company 8113 West Sherman Street Tolleson, Arizona 85353-4025		10. US EPA ID Number A Z D 9 8 0 7 3 5 5 0 0		E. State Transporter's ID		F. Transporter's Phone		G. State Facility's ID	
				H. Facility's Phone 800-972-1855					
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)		12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. RM		No. Type							
b. RQ, Hazardous waste, solid, n.o.s., (P008), 9, NA3077, III		031 DM		21520		P		D006	
c. RQ, Hazardous waste, solid, n.o.s., (D007), 9, NA3077, III								D007	
d.									
J. Additional Descriptions for Materials Listed Above		K. Handling Codes for Wastes Listed Above							
15. Special Handling Instructions and Additional Information 24 Hour Emergency Response: 1-800-424-9300 CHEMTREC (Emergency call pager #206-648-8423) (Use CHEMTREC company code "WORR") Wear gloves & goggles P.O.# M66555									
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17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name Ruben Masera		Signature <i>[Signature]</i>		Month Day Year 07/3/00			
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature		Month Day Year			
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.		Printed/Typed Name		Signature		Month Day Year			

MATERIAL IDENTIFICATION

DOT BASIC SHIPPING DESCRIPTION AND TECHNICAL NAME:
Hazardous waste, solid, n.o.s., (D007), 9, NA3077, III

NORTH AMERICAN
EMERGENCY
RESPONSE

TAKEN FROM GUIDE 171 OF THE NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK

(Underlined text applies directly to the material listed above)

POTENTIAL HAZARDS

FIRE OR EXPLOSION

1. Some may burn, but none ignite readily.
2. Some may polymerize (P) explosively when heated or involved in a fire.
3. Containers may explode when heated.
4. Some may be transported hot.

HEALTH

1. Inhalation of material may be harmful.
2. Contact may cause burns to skin and eyes.
3. Inhalation of Asbestos dust may have a damaging effect on the lungs.
4. Fire may produce irritating, corrosive and/or toxic gases.
5. Runoff from fire control may cause pollution.

PUBLIC SAFETY

1. CALL CHEMTREC at 1-800-424-9300 FOR EMERGENCY ASSISTANCE (Use CHEMTREC Company Code "W0RR").
2. Isolate spill or leak area immediately for at least 10 to 25 meters (30-80 feet) in all directions.
3. Keep unauthorized personnel away.
4. Stay upwind.

PROTECTIVE CLOTHING

1. Wear positive pressure self-contained breathing apparatus (SCBA).
2. Structural firefighters' protective clothing will only provide limited protection.

EVACUATION

Fire

1. If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions.

EMERGENCY RESPONSE

FIRE

Small Fires

1. Dry chemical, CO₂, water spray or regular foam.

Large Fires:

1. Water spray, fog or regular foam.
2. Move containers from fire area if you can do it without risk.
3. Do not scatter spilled material with high pressure water streams.
4. Dike fire-control water for later disposal.

Fire Involving Tanks:

1. Cool containers with flooding quantities of water until well after fire is out.
2. Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.
3. ALWAYS stay away from the ends of tanks.

SPILL OR LEAK

1. Do not touch or walk through spilled material.
2. Stop leak if you can do it without risk.
3. Prevent dust cloud.
4. Avoid inhalation of asbestos dust.

Small Dry Spills

1. With clean shovel, place material into clean, dry container and cover loosely; move containers from spill area.

Small Spills

1. Take up with sand or other noncombustible absorbent material and place into containers for later disposal.

Large Spills

1. Dike far ahead of liquid spill for later disposal.
2. Cover powder spill with plastic sheet or tarp to minimize spreading.
3. Prevent entry into waterways, sewers, basements or confined areas.

FIRST AID

1. Move victim to fresh air.
2. Call emergency medical care.
3. Apply artificial respiration if victim is not breathing.
4. Administer oxygen if breathing is difficult.
5. Remove and isolate contaminated clothing and shoes.
6. In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.
7. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

**WORLD RESOURCES COMPANY**

P H O E N I X , A R I Z O N A

Recycling for a healthier environment

**LAND DISPOSAL
RESTRICTION NOTICE****D007**

EFFECTIVE 11/09/98

[A copy of this Notice must be retained by the Generator for at least three (3) years,
pursuant to U.S. EPA Regulation 40 CFR §268.7(a)(8).

Moreover, the Generator should check the hazardous-waste regulations of his/her own State,
inasmuch as, if there is a State analogue to the federal regulation, it may require a longer retention
time, such as five (5) years. It should also be noted that the federal regulation--and, typically, State
analogues as well--requires the retention period to be extended further in specified cases.]

TO: **WORLD RESOURCES COMPANY**

8113 West Sherman Street, Phoenix AZ 85043-3000

FROM: **Alaskan Copper Works**

P.O. Box 3546, Seattle, WA 98124

MANIFEST
NUMBER:

01004

DATE OF
SHIPMENT:

7-30-01

This shipment of material is
subject to the land disposal
restrictions of 40 CFR Part 268.

The applicable land disposal
restriction information, provided
in accordance with 40 CFR
§268.7(a)(2), is as shown in this
table:

EPA Material Number	Treatability Group	CFR Reference for Treatment Standards
D007	non-wastewater	40 CFR §268.40

SIGNATURE:

TITLE:

ENVIRO. TECH

NAME
PRINTED:

GERALD A. THOMPSON

DATE:

7-30-01

Instructions for the Completion of this Land Disposal Restriction Notice [LDRN]

This LDRN has been prepared based on a listed material--D007--as the primary designation of the material. This designation is based on information furnished by the Generator of the material. While it is believed to be accurate, it is the Generator's responsibility to determine whether his/her material is restricted from land disposal, and to correctly complete the LDR Notice [as stated in 40 CFR §268.7(a)(2)].

If your material is described by additional "D" characteristic EPA waste codes, then they must each be included on the LDR Notice.

D007 GENERATORS

Material Safety Data Sheet

D007 Recyclable Material (Filter Cake)

Recycler's Facility Name and Site Address:

Issued: 8/7/90

Revised: 8/5/99 DLS

For Emergencies During Shipping in

the US or Canada, Day or Night,

Call: CHEMTREC 800-424-9300

(Use CHEMTREC Company Code "WORR")

For calls from other countries call:

703-527-3887 Collect

World Resources Company

8113 West Sherman Street

Phoenix, Arizona 85043-3000

Tel: 602-233-9166 Fax: 623-936-9164

Call CHEMTREC only in the event of
emergencies during shipping that
involve a spill, leak, fire, or accident
(all calls are recorded)

Section 1

Material Identification

EPA Waste Classification : D007

Generic Name : Chromium Bearing Filter Cake

Chemical Family : Metallic (Hydroxide) Precipitates

Synonym : Non-ferrous Metal Hydroxide Filter Cake

DOT Shipping Name : RQ, Hazardous waste solid, n.o.s. (D007)

DOT Hazard Class : 9 ; Packing Group : III

DOT Identification Number : NA 3077

Guide 171 of the North American Emergency Response Guidebook Applies

Section 2

Hazardous Ingredients

Ingredient:	CAS Number:	Content %:	ACGIH-TLV	Toxicology: (rat, oral)
Copper Hydroxide	20427-59-2	0 - 30	1.0 mg(Cu)/m ³ (Dust)	LD-50 1,000 mg/kg
Nickel Hydroxide	12054-48-7	0 - 15	1.0 mg(Ni)/m ³ (Dust)	LD-50 1,500 mg/kg
Calcium Hydroxide	1305-62-0	0 - 15	5.0 mg(Ca)/m ³ (Dust)	LD-50 7,340 mg/kg
Amorphous Silica	61790-53-2	0 - 10	10.0 mg/m ³ (Dust)	LD-50 Not Determined
Chromic Hydroxide	1308-58-1	1 - 20	0.05 mg(Cr)/m ³ (Dust)	LD-50 Not Determined

Section 3

Physical And Reactivity Data

Description: Solid, Clay-like, Gray/Green to Brown,
Water Content 30 - 80%

Specific Gravity: 2.5 To 3.5

Solubility: Insoluble in Water

Incompatible Reactivity: None Known

Vapor Pressure: Insignificant

Stability: Avoid Contact With Acids

Polymerization: Will Not Occur

Density: 50 to 90 lbs/cu ft

Boiling Point: Above 2600°C

Melting Point: Above 1800°C

pH: 7.0 to 10.0

Order: Nil

Section 4

Fire And Explosion Data

Flashpoint: Nonflammable

Special Firefighting Procedures: None

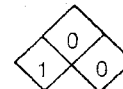
Product Decomposition (Due To Fire Or Explosion): None

Oxidation: Non-oxidizing

Explosive: Non-Explosive

NFPA

Fire Diamond



Section 5

Toxicity

Listed Carcinogen components: Nickel, Chromium

Toxicology: See Sec. 2

Route of Entry: Inhalation and Ingestion

Section 6

Health Effects And First Aid

Inhalation: Dust may irritate mucous membranes and upper respiratory tract. Remove to fresh air and treat symptoms.

Ingestion: Rare in industry. Induce vomiting (do not induce vomiting or give a liquid to an unconscious person) and call a physician.

Eyes: Dust may irritate eyes. Wash with copious amounts of water for 15 minutes, if effects persist, call a physician.

Skin: Dust may irritate skin, causing forms of eczema. Wash with soap and water.

Long-Term: The effects of long-term chronic overexposure may affect the following target organs or body systems--blood, digestive, respiratory, lungs, liver, kidneys and skin.

Comments: Special attention should be given to employees with anemia, restricted respiratory abilities, lung cancer, permanent kidney damage and metal-sensitive skin or skin lesions.

Section 7

Precautions For Safe Handling

Handling: Good personal and industrial hygiene should always be practiced. It is recommended that personal protective equipment (PPE) be used personnel who will come in contact with the material. The PPE should include eye protection, respirator and gloves.

Storage: Keep covered and avoid conditions where wind could cause dispersal. Do not eat, drink or smoke where material is handled to avoid inhalation or ingestion. Store in a dry area under cover to protect from rain.

Spills: Use cleaning procedures that avoid creating excessive dust. Vacuum when possible. Package material and ship to World Resources Company at above address.

Section 8

Control Measures

Respiratory Protection: NIOSH-MSHA approved respirators as required.

Eye Protection: Safety Glasses recommended.

Other Protective Equipment: Coveralls are recommended, but not required.

Hand Protection: Gloves recommended.

Section 9

Generator's Verification

This MSDS is provided solely for informational purposes and no warranty or responsibility is extended even though reasonable precautions have been taken in the preparation of the data contained for this recyclable material. To the best of my knowledge this MSDS describes the recyclable material listed on the attached Manifest Number: 01004 Telephone: 206-382-8379 Date: 7-30-01


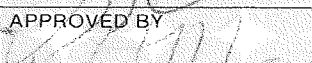
Company Name and Address: Alaskan Copper Works

P.O. Box 3546, Seattle, WA 98124

Signature [Signature]

AKC-0017278



REQUESTED BY 	DATE 7/30/01	APPROVED BY 	DATE 7/30/01
<input type="checkbox"/> HERE FOR RETURN OF YELLOW COPY PURPOSE OR USE		TO BE FILLED IN BY PURCHASING DEPT. P.O. NUMBER <i>MA-66555</i>	
DELIVERY NEEDED BY		VENDOR	
SHIP TO ADDRESS		CONTACT	TELEPHONE NO.
SUGGESTED VENDOR <i>World Resources Co</i>		DELIVERY PROMISED	SHIP VIA